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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	WO adj "03050305"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:12
L2	0	WO03050305	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:12
L3	1	WO adj "2003050305"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:14
L4	0	EP1366196	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:14
L5	1	EP adj "1366196"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:17
L6	2	"20070148683"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:17
L7	15	(template adj (switch or switching) adj oligonucleotide) and VN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:18
L9	0	Gustincich.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:33
L10	104	contini.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:33

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L11	0	contini.in. and gariboldi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:33
L12	0	contini.in. and neuron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:33
S1	2	"6465219"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 12:53
S2	2	"6465219".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 13:23
S3	2	"20040023271"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 12:56
S4	61	(template adj (switch or switching) adj oligonucleotide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 16:33
S5	25	(template adj (switch or switching) adj oligonucleotide) and (RNA adj polymerase adj promoter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 13:29
S6	31	(template adj (switch or switching) adj oligonucleotide) and ((RNA adj polymerase) near2 promoter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/12/12 13:29


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[... seven Escherichia coli {sigma} subunits: relative binding affinities to the core RNA polymerase - all 6 versions »](#)

H Maeda, N Fujita, A Ishihama, O Journals - Nucleic Acids Research, 2000 - Oxford Univ Press  
 ... x 30 cm) using a **SMART** system as ... new window], Table 1. Intracellular concentrations of **RNA polymerase** holoenzymes. **Switching** of one core enzyme-bound for another ...  
 Cited by 70 - [Related Articles](#) - [Web Search](#)

[Global amplification of mRNA by template-switching PCR: linearity and application to microarray ... - all 4 versions »](#)

L Petalidis, S Bhattacharyya, GA Morris, VP ... - Nucleic Acids Research, 2003 - Oxford Univ Press  
 ... is IVT (6). This method uses T7 **RNA polymerase** amplification where ... small amounts of total RNA by **SMART** PCR. ... of cDNA ends based on template-switching effect and ...  
 Cited by 53 - [Related Articles](#) - [Web Search](#)

[Mechanism of the E. coli  \$\tau\$  Processivity Switch during Lagging-Strand Synthesis - all 17 versions »](#)

FP Leu, R Georgescu, MO'Donnell - Molecular Cell, 2003 - Elsevier  
 ... the intelligence of this **smart switching** process? ... polymerase contains a processivity **switch** (Stillman, 1994). ... study of the processivity **switching** mechanism in E ...  
 Cited by 33 - [Related Articles](#) - [Web Search](#)

[Sexually dimorphic development of mouse primordial germ cells: switching from oogenesis to ... - all 4 versions »](#)

IR Adams, A McLaren - Development, 2002 - dev.biologists.org  
 ... of mouse primordial germ cells: **switching** from oogenesis to ... This developmental **switch**, which has occurred by 13.5 days ... PCR amplification of the **SMART** cDNA was ...  
 Cited by 69 - [Related Articles](#) - [Web Search](#)

[Genomic locus and promoter region of rat Smad7, an important antagonist of TGF \$\beta\$  signaling - all 3 versions »](#)

M Stopa, V Benes, W Ansorge, AM Gressner, S Dooley - Mammalian Genome, 2000 - Springer  
 ... **SMART (Switching)** mechanism at 5' end of RNA tran ... inducibility, most likely indicating a **switch** in Smad7 ... B, Schematic representation of **SMART** cDNA amplification ...  
 Cited by 51 - [Related Articles](#) - [Web Search](#)

[Assays and kits incorporating nucleic acid probes containing improved molecular switch - all 3 versions »](#)

PM Lizardi, FR Kramer, S Tyagi, CE Guerra, HML ... - US Patent 5,312,728, 1994 - Google Patents  
 ... a template for amplification by an RNA-directed **RNA polymerase**. ... is a simple molecular allosteric **switch** that renders ... acid hybridization probe **smart**, that is ...  
 Cited by 32 - [Related Articles](#) - [Web Search](#)

[A specialized form of RNA polymerase I, essential for initiation and growth-dependent regulation of ... - all 4 versions »](#)

P Milkereit, H Tschochner - The EMBO Journal, 1998 - nature.com  
 ... transcription can serve as a molecular **switch** for transcription ... a minor proportion of yeast **RNA polymerase I** is ... a MonoQ column (0.1 ml) (**SMART**, Pharmacia) with ...  
 Cited by 62 - [Related Articles](#) - [Web Search](#)

[\[PDF\] Research Report RNA Amplification Strategies for cDNA Microarray Experiments - all](#)



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"RNA polymerase" "template switching oligonucleotide" - 2003

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[V Efimov](#)

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[Methods and compositions for full-length cDNA Cloning using a \*\*template-switching oligonucleotide\*\* - all 3 versions »](#)

A Chenchik, Y Zhu, L Diatchenko, P Siebert - US Patent 5,962,272, 1999 - Google Patents  
... partially or completely to the sequence of **template switching oligonucleotide** and cDNA ... of promoter sequences for bacteriophage **RNA polymerase**, which simplify ...  
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[Detection of the 5'-cap structure of messenger RNAs with the use of the cap-jumping approach - all 3 versions »](#)

VA Efimov, OG Chakhmakhcheva, J Archdeacon, JM ... - Nucleic Acids Research, 2001 - Oxford Univ Press  
... encode a virus-specific RNA-dependent **RNA polymerase** essential for ... generate a specific anchor sequence complementary to a **template switching oligonucleotide**. ...  
[Cited by 11](#) - [Related Articles](#) - [Web Search](#)

[Evolutionary conservation of kinetochore protein sequences in plants - all 3 versions »](#)

R ten Hoopen, R Manteuffel, J Doležal, L ... - Chromosoma, 2000 - Springer  
... of mRNA in the presence of a **template switching oligonucleotide**: 5'-AAG ... rRNA biosynthesis and interacts genetically with the **RNA polymerase I** transcription ...  
[Cited by 17](#) - [Related Articles](#) - [Web Search](#)

[Method for the 5' - all 4 versions »](#)

MW Mueller, WM Schmidt - US Patent 6,558,927, 2003 - Google Patents  
... produces an anchor sequence for a so-called **template switching oligonucleotide** with a 3' ... 11505 (1991)) or linear amplification with the aid of T7 **RNA polymerase**. ...  
[Related Articles](#) - [Web Search](#)

[Process for preparation of full-length cDNA and anchor used for the same - all 2 versions »](#)

H PARK, J JEON, MIS JANG - EP Patent 1,369,480, 2003 - freepatentsonline.com  
... may occur since the reverse transcriptase has to recognize **template switching oligonucleotide**. ... length beta -actin(Lane2), full-length **RNA polymerase II**(Lane3) ...  
[Cached](#) - [Web Search](#)

[Process for selective amplification of a full-length cDNA involving an anchor nucleic acid - all 3 versions »](#)

HO Park, JT Jeon, MS Jang - US Patent 6,653,108, 2003 - Google Patents  
... have to recognize **template switching oligonucleotide**. said cDNA/mRNA hybrid to select full-length cDNA/ ... (Lane1), Y-actin (Lane 2), **RNA polymerase II** (Lane3) ...  
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[Polynucleotide pools enriched in either high-abundance or low-abundance sequences - all 3 versions »](#)

YYY Zhu - US Patent 6,465,219, 2002 - Google Patents  
... **switching, oligonucleotide**-tailing, or ligation. The RNA promoter sequence is conveniently one that is recognized by a bacteriophage **RNA polymerase**, such as ...  
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A Chenchik, Y Zhu, L Diatchenko, P Siebert - US Patent 5,962,272, 1999 - Google Patents  
 ... partially or completely to the sequence of **template switching oligonucleotide** and cDNA ... of restriction sites, and incorporation of **promoter** sequences for ...  
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**Structure and Regulation of the Mouse ing1 Gene THREE ALTERNATIVE TRANSCRIPTS ENCODE TWO PHD FINGER ... - all 3 versions »**

M Zeremski, JE Hill, SSS Kwek, IA Grigorian, KV ... - Journal of Biological Chemistry, 1999 - ASBMB  
 ... under the control of the p53-dependent **promoter** and therefore ... it switches templates and continues synthesizing the SMART **template-switching oligonucleotide**. ...  
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**Detection of the 5'-cap structure of messenger RNAs with the use of the cap-jumping approach - all 3 versions »**

VA Efimov, OG Chakhmakhcheva, J Archdeacon, JM ... - Nucleic Acids Research, 2001 - Oxford Univ Press  
 ... to generate a specific anchor sequence complementary to a **template switching oligonucleotide**. ... the TMV (U1) genome under control of the SP6 **promoter** was kindly ...  
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**Method for the 5 - all 4 versions »**

MW Mueller, WM Schmidt - US Patent 6,558,927, 2003 - Google Patents  
 ... This produces an anchor sequence for a so-called **template switching oligonucleotide** with a 3 ... These for example include **promoter** sequences suitable for in vitro ...  
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**Method for random cDNA synthesis and amplification**

BDR FREY, U BREHM, C EICHNER, R WARTBICHLER - EP Patent 1,275,738, 2003 - freepatentsonline.com  
 ... between first strand cDNA and the **template switching Oligonucleotide**, elongation further ... the first extendible primer preferably comprises a **promoter** for in ...  
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**Method for random cDNA synthesis and amplification**

U BREHM, C EICHNER, R WARTBICHLER, BDR FREY - EP Patent 1,275,734, 2003 - freepatentsonline.com  
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... partially or completely to the sequence of **template switching oligonucleotide** and cDNA ... then adds a few additional nucleotides, primarily **deoxycytidine**, to the 3 ...

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**Amplification method**

K Code, A Cassidy, A Graham, VP Images, P Class, F ... - freepatentsonline.com  
... nucleotides at the 3' end of the first strand cDNA synthesis are **deoxycytidine** nucleotides. [0045] Preferably, the **template switching oligonucleotide** has at ...

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**[PDF] PROCEDE D'AMPLIFICATION**

A CZ, FR DE DK EE ES FI, GB GR, H MC, N SI, SK TR, ... - publications.european-patent-office.org  
... nucleotides at the 3' end of the first strand cDNA synthesis are **deoxycytidine** nucleotides. [0047] Preferably, the **template switching oligonucleotide** has at ...

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**HYBRIDIZATION PORTION CONTROL OLIGONUCLEOTIDE AND ITS USES - all 4 versions »**

JY CHUN - EP Patent 1,448,795, 2004 - freepatentsonline.com

... deoxythymidine nucleotides having 3'-V at its 3'-end; in which V is one selected from the group consisting of deoxyadenosine, **deoxycytidine** and deoxyguanosine. ...

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**Constant length signatures for parallel sequencing of polynucleotides - all 4 versions »**

A Fischer, H Hiemisch, S Williams, S Brenner, R ... - 2004 - freepatentsonline.com  
... and that "A" denotes deoxyadenosine, "C" denotes **deoxycytidine**, "G" denotes ... from full length cDNA, utilizes a "**template switching oligonucleotide**", as described ...

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**METHODS AND COMPOSITIONS OF AMPLIFYING RNA - all 4 versions »**

SD GINSBERG, S CHE - EP Patent 1,366,196, 2003 - freepatentsonline.com

... end of the ss cDNA that is complementary to the **template-switching oligonucleotide**. ... activity of reverse transcriptase to incorporate **deoxycytidine** into the 3 ... ,

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**Annealing control primer and its uses**

K Code, JY Chun, VP Images, P Class, F References - freepatentsonline.com

... deoxythymidine nucleotides having 3'-V at its 3'-end; in which V is one selected from the group consisting of deoxyadenosine, **deoxycytidine** and deoxyguanosine. ...

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**ANNEALING CONTROL PRIMER AND ITS USES - all 4 versions »**

JY CHUN - 2002 - freepatentsonline.com

... deoxythymidine nucleotides having 3'-V at its 3'-end; in which V is one selected from the group consisting of deoxyadenosine, **deoxycytidine** and deoxyguanosine. ...

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